

# Converting Colors

XYZ(50.2280, 39.9252, 92.3319)

Have a look what the booklet for  
XYZ(50.2280, 39.9252, 92.3319)  
contains.

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# Color

**XYZ(50.1469, 39.8845,  
92.2442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C495F6
RGB	196, 149, 246
RGB Percent	77%, 58%, 96%
CMY	0.2314, 0.4157, 0.0353
CMYK	0.20, 0.39, 0.00, 0.04
HSL	269°, 84%, 77%
HSV	269°, 39%, 96%
XYZ	50.1469, 39.8845, 92.2442
YIQ	174.1110, -3.1250, 40.1310

# Conversions

## Conversions Part 2

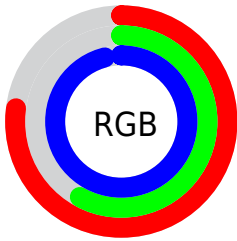
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">196, 149, 246</a>
Decimal	<a href="#">12883446</a>
CIELab	<a href="#">69.39, 35.97, -42.03</a>
CIELCh	<a href="#">69, 55.319, 310.564</a>
Yxy	<a href="#">39.8845, 0.2751, 0.2188</a>
Android (android.graphics.Color)	<a href="#">4291073526</a> ( <a href="#">0xFFC495F6</a> )
YUV	<a href="#">174.1110, 35.4413, 19.1967</a>
Hunter-Lab	<a href="#">63.1542, 31.2162, -42.3922</a>

# Details

The XYZ color **50.1469, 39.8845, 92.2442** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.9350, 80.2245, 40.6560**, and the grayscale version is **40.1152, 42.2043, 45.9605**.

A 20% lighter version of the original color is **80.5159, 71.4766, 104.1604**, and **24.2752, 17.7990, 50.3002** is the 20% darker color. If you saturate the color by 10%, you get **43.4982, 31.2774, 90.9340**, and if you desaturate by 10%, it is **57.8992, 50.2823, 93.8433**.

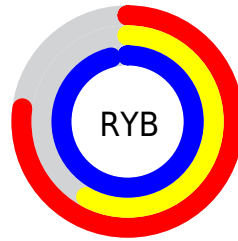
# Distribution



Red (77%)

Green (58%)

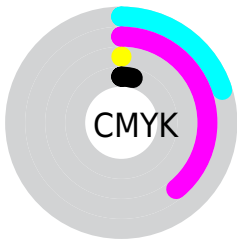
Blue (96%)



Red (77%)

Yellow (58%)

Blue (96%)

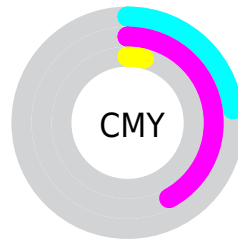


Cyan (20%)

Magenta (39%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (42%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1469, 39.8845, 92.2442 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.1469, 39.8845, 92.2442 by changing the saturation by 10% instead.





 50.1469, 39.8845,  
92.2442


 50.1469, 39.8845,  
92.2442


377.6826,  
345.6365, 556.0618

 35.7484, 27.4485,  
69.2593


 89.5830, 74.9876,  
152.4144

 24.4092, 17.9103,  
50.4499


 115.3513, 98.4235,  
190.4369

 15.7638, 10.8856,  
35.3973


145.6403,  
126.2948, 234.3089

 9.4469, 5.9900,  
23.6831

180.8153,  
158.9859, 284.4490

 5.0933, 2.8390,  
14.8887

221.2417,  
196.8813, 341.2759

 2.3374, 1.0483,  
8.5955

267.2848,

 0.8137, 0.0000,

240.3652, 405.2079

4.3851

319.3100,  
289.8222, 476.6637

■ 0.0000, 0.0000,  
1.8389

■ 0.0000, 0.0000,  
0.4534

■ 50.1469, 39.8845,  
92.2442

■ 50.1469, 39.8845,  
92.2442

■ 43.4982, 31.2774,  
90.9340

■ 57.8992, 50.2823,  
93.8433

■ 37.8896, 24.3483,  
89.8921

■ 66.8050, 62.5647,  
95.7446

■ 33.2575, 18.9789,  
89.0998

■ 76.9161, 76.8245,  
97.9641

■ 29.5278, 15.0323,  
88.5347

■ 88.2798, 93.1470,  
100.5157

■ 26.6140, 12.3469,  
88.1699

■ 93.6347, 99.4339,  
101.4470

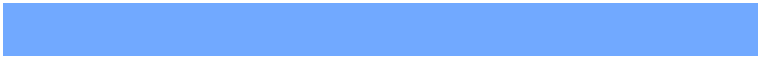
■ 24.3845, 10.6717,  
87.9640

■ 24.2694, 10.5897,  
87.9543

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1300, 39.8845, 111.5189



50.1469, 39.8845, 92.2442



56.4214, 39.8845, 61.8393

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1469, 39.8845, 92.2442



43.8863, 39.8845, 11.6885



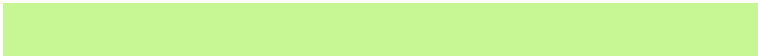
23.4656, 39.8845, 53.0350

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.1469, 39.8845, 92.2442



61.9350, 80.2245, 40.6560

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.9663, 39.8845, 29.0893



50.1469, 39.8845, 92.2442



34.8608, 39.8845, 10.8903

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1469, 39.8845, 92.2442



52.4340, 39.8845, 18.7377



27.8441, 39.8845, 15.8433



26.3496, 39.8845, 83.6756



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1469, 39.8845, 92.2442



57.6996, 39.8845, 42.9474



27.8441, 39.8845, 15.8433



23.2564, 39.8845, 43.9110

# Sweetspot

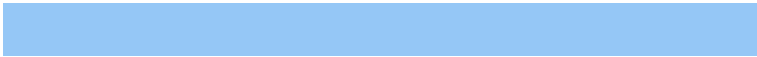
The Sweet Spot groups the original color and five complimentary colors.



50.1483, 39.8861, 92.2451



80.4865, 79.1368, 105.6406



49.4806, 53.9454, 94.9940



16.9136, 16.4944, 22.5422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.1483, 39.8861, 92.2451



48.7838, 35.9564, 98.9768



64.8244, 47.4519, 92.9319



16.3454, 16.3207, 20.8313



13.1145, 5.7351, 46.9538



1.2708, 0.5650, 4.1323



# Inverse Universe

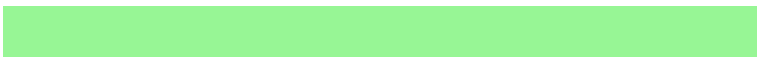
The Inverse Universe completely reimagines the original color for something new.



59.0635, 45.2128, 59.6483



59.9948, 42.6578, 57.8521



51.0733, 74.6251, 40.1477



16.8558, 16.6252, 18.9871



22.3954, 11.3016, 12.0562

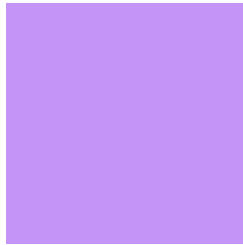


2.0203, 1.0141, 1.3331



# Previews

## White Background



This preview shows how the XYZ color 50.1469, 39.8845, 92.2442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

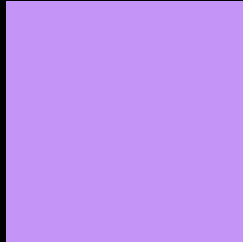
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.1469, 39.8845, 92.2442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

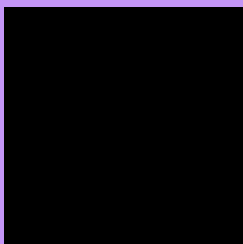
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.1469, 39.8845, 92.2442**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.1469, 39.8845, 92.2442.



This preview shows how white text looks on a background with the XYZ color 50.1469, 39.8845,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

50.1469, 39.8845, 92.2442

### Protanopia

42.5162, 40.3464, 100.1545

### Deuteranopia

41.1850, 40.1669, 89.5867



## Tritanopia

40.9784, 39.9156, 47.1397

# Trichromacy



## Original Color

50.1469, 39.8845, 92.2442



## Protanomaly

44.6387, 39.6435, 97.3947



## Deuteranomaly

43.8228, 39.6422, 90.1360



## Tritanomaly

43.7978, 39.7519, 61.2416

# Monochromacy



## Original Color

50.1469, 39.8845, 92.2442



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

43.1719, 41.0255, 60.2869

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1469, 39.8845, 92.2442 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 149, 246)` looks like.

```
.text, #text, p{  
    color:rgb(196, 149, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 149, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 149, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1469, 39.8845, 92.2442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 149, 246) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 149, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 149, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 149, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 149, 246);  
box-shadow:4px 4px 4px 4px rgb(196, 149,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1469, 39.8845, 92.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 149, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
149, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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